

EPSHTEYN, R.B.; FARBER, E.L.; GUTENEVA, L.Z.; SHMUYLOVICH, D.S.

Vanillin from sulfate liquors. Bum.prom. 37 no.1:20 Ja '62.
(MIRA 15:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut pishchevoy
promyshlennosti.

(Woodpulp)
(Vanillin)

EPSHTEYN, R.K.

OVECHKIS, Ye.S., kandidat tekhnicheskikh nauk; EPSHTEYN, R.K., inzhener.

Laboratory method of evaluating screw and welt properties of bottom
stock leather. Log.prom. 14 no.4:19-21 Ap '54. (MLRA 7:6)
(Leather)

EPSHTEYN, R.K.

OVECHKIN, Ye.S., kandidat tekhnicheskikh nauk; EPSHTEYN, R.K., inzhener.

Producing insole leather of a specified uniform thickness. Leg.prom.
14 no.11:36-38 M '54. (MIRA 7:12)
(Boots and shoes) (Leather)

OVECHKIN, Ye.S., kand.tekhn.nauk; EPSTEIN, R.K., inzh.

Wear resistance of sole leathers and means for increasing it.
Leg.prom. 18 no.11:21-24 N '58. (MIRA 11:12)
(Leather--Testing)

OVECHKIS, Ye.S.; EPSHTEYN, R.K.; VASILETS, T.A.

Tanning losses in the manufacture of stiff leather. Kozh.-obuv.
prom. 3 no.2:19-21 F '61. (MIRA 14;4)
(Tanning)

EPSHTEYN, R.M.

AID P - 1511

Subject : USSR/Electricity

Card 1/1 Pub. 26 - 7/36

Author : Epshteyn, R. M., Eng.

Title : Decreasing the time of action of water wheel governors

Periodical : Elek. sta., 3, 22-25, Mr 1955

Abstract : The author studies operational conditions of power systems having steam- and hydroelectric power stations with a relatively high percentage of the latter type. This creates heavy conditions for the performance of the steam power stations which have to absorb rapid load changes. The author studies methods of improving these conditions to make it possible for hydroelectric power stations to take load increases under automatic control. He gives technical details of such an arrangement developed by the Leningrad Metal Works im. Stalin (LMZ) using a speed governor of the UK-type. 5 drawings.

Institution: None

Submitted : No date

8(6), 14(6)

SOV/112-59-5-8714

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 5, p 44 (USSR)

AUTHOR: Epshteyn, R. M.

TITLE: Testing, Remodeling, and Aligning the Control System of a Hydroelectric Generating Unit

PERIODICAL: Naladochnyye i eksperm. raboty ORGRES, Nr 15, 1958, pp 229-236

ABSTRACT: The experience of ORGRES in aligning and remodeling the regulators of hydroturbines has been generalized. The following regulator-design shortcomings are noted: (1) in type MK, K, and L regulators — inaccuracy of the isodromic mechanism, belt drive, and a large dead band of the pendulum; (2) in the type UK regulator — a too complicated hydro interlocking system, impossibility of adjusting the high-speed feature; (3) in the type KE regulator — poor layout of mechanisms that hampers the adjusting operations, unlucky design of some assemblies; (4) in type RK, RKO, and R regulators — hydro-starting mechanism instability. ORGRES work in remodeling the regulators at hydroelectric stations is described. Recommendations on alignment are offered.

A.A.B.

Card 1/1

EPSHTEYN, R.M., inzh.

Comparison of the structural schematics of hydraulic turbine
control systems. Elek. sta. 35 no. 4:44-49 Ap '64.
(MIRA 17:7)

SHAPIRO, Ye.A.; ZHUKOVSKIY, Ye.S.; MUSTAFABEKOVA, A.A.; MIKHAYLOV, N.D.;
KOBILYANSKIY, A.N.; KONONIKHIN, A.G.; ~~EPENSTEIN, R.R.~~; KARPINSKIY,
V.F.; DAVIDOVA, R.T.; TROITSKIY, V.I., red.; GOR'KOVA, A.A.,
vedushchiy red.; FEDOTOVA, I.G., tekhn.red.

[Establishing standards for material consumption and stocks in the
petroleum industry] Normirovanie raskhoda i proizvodstvennykh
zapasov osnovnykh materialov v neftianoi promyshlennosti. Moskva,
Gos.nauchno-tekhn.isd-vo nef. i gorno-toplivnoi lit-ry, 1959.
252 p. (MIRA 12:12)

(Petroleum industry--Standards)

RUBACHEV, G.N.; EPSHTEYN, R.R.; GUSMAN, F.T.

Means of lowering the costs of petroleum products. Khim.i tekhn.
topl.i masel 5 no.11:34-42 N '60. (MIRA 13:11)

1. TSentral'nyy ekonomicheskii institut Gosplana RSFSR.
(Petroleum products)

EPSHTEYN, R. SH.

Cand Med Sci

Dissertation: "Medical-Occupational Examination of Patients with an
Emphysema of the Lungs." 4/4/50

Central Inst for Advancement of Physicians.

SO Vecheryaya Moskva
Sum 71

EPSHTEYN, R. Sh. Cand Med Sci -- (diss) "On the ~~is~~ Problem of
the Diagnosis of ~~RMM~~ Rheumatic Carditis." Astrakhan', 1957.
15 pp 20 cm. (Gor'kiy State Medical Inst im S. M. Kirov),
200 copies (KL, 27-57, 111)

- 85 -

EPSHTEYN, R. Ya.

Dissertation: "Physicochemical Investigation of the Ternary System $\text{MgO}-\text{Cr}_2\text{O}_3-\text{ZrO}_2$."
Cand Chem Sci, Leningrad Inst of Mining, Leningrad, 1953. (Referativnyy Zhurnal--Khimiya,
Moscow, No 6, Mar 54)

SO: SUM 243, 19 Oct 1954

SOBOLEV, V.S.; SPITKOVSKAYA, S.M.; ~~POKHODIN, R.Ya.~~

Primary magmatic garnet (almandite) in dacites of the Transcarpathian region. Min.sbor.no.9:316-319 '55. (MIRA 9:9)

1.L'vovskoye geologicheskoye obshchestvo.
(Transcarpathia--Almandite)

15-57-2-1732

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 2,
p 85 (USSR)

AUTHORS: Epshteyn, R. Ya., Sal'dau, P. Ya.

TITLE: A Physical-Chemical Study of the Ternary System
MgO-Cr₂O₃-ZrO₂ (Fiziko-khimicheskoye issledovaniye
troynoy sistemy MgO-Cr₂O₃-ZrO₂)

PERIODICAL: Zap. Leningr. gorn. in-ta, 1956, Vol 32, Nr 3, pp 285-
312

ABSTRACT: The authors emphasize the practical value of the in-
vestigated system for the problem of obtaining new
highly refractory materials. They present a survey of
the literature on earlier studies of the systems
MgO-ZrO₂, MgO-Cr₂O₃, and ZrO₂-Cr₂O₃. The system MgO-
Cr₂O₃-ZrO₂ was studied by thermal, chemical, micro-
scopic, and X-ray methods. The initial materials were
commercial magnesium oxide (99.25 percent MgO),

Card 1/5

15-57-2-1732

A Physical-Chemical Study of the Ternary System (Cont.)

chromium oxide (99.91 percent Cr_2O_3), and zirconium dioxide (99.82 percent ZrO_2). The material was mixed in an alcohol solution of bakelite and a three-sided pyramid was made from the tough paste (25 mm to 30 mm high, 7 mm to 8 mm along the edge of the base). After drying, the pyramids were heated at 900° to 1000° (except for samples with a high content of ZrO_2). The material was fused in an oxygen-acetylene flame in a furnace of the Ruff type, modified by P. Ya. Sal'dau and N. A. Zhirnova. The body of the furnace was of alundum with a lining in the working space of a layer of zirconium dioxide. The temperature of fusion was determined by several runs, repeated four or five times or averaged from several (no less than five) nearly identical measurements. An oxidizing flame was obtained by feeding acetylene under a pressure of 1 atm and oxygen at a pressure of 3 atm into the jet. The following equal concentrations were prepared: 1) zirconium oxide with contents from 10 to 90 molecular percent of ZrO_2 , through each 10 percent; 2) magnesium oxide with contents of 10 and 20 molecular percent; and

Card 2/5

15-57-2-1732

A Physical-Chemical Study of the Ternary System (Cont.)

3) chromium oxide with contents of 10 and 20 molecular percent. Chemical analyses were made of the fused apex of the pyramids. A diagram was constructed to show the projection of the liquidus surface of the system (see Figure). Two ternary eutectics were recognized: 1) 50 percent (molecular) MgO , 17 percent Cr_2O_3 , and 33 percent ZrO_2 , melting at 1980° ; and 2) 20 percent MgO , 48 percent Cr_2O_3 , and 32 percent ZrO_2 , melting at 1860° . The composition at the triple conversion point P (the point of double elevation) is 20 percent MgO , 57 percent Cr_2O_3 , and 23 percent ZrO_2 , with a fusion temperature of 1940° . In the pseudobinary system ZrO_2 - MgO - Cr_2O_3 , there is a eutectic at 2070° with a composition of 28 percent MgO , 28 percent Cr_2O_3 , and 44 percent ZrO_2 . X-ray data, that are not quite clear, indicate, provisionally, that very limited ternary solid solutions are superimposed on the diagram, lying along the sides Cr_2O_3 - ZrO_2 and Cr_2O_3 - MgO . Triple solid solutions were demonstrated in the region next to the double solid solutions in the system MgO - ZrO_2 . The limiting concentration of the solid solution

Card 3/5

15-57-2-1732

A Physical-Chemical Study of the Ternary System (Cont.)

is 12 percent Cr_2O_3 and 20 percent MgO . The fusion temperature of mixtures in this region ranges from 2200° to 2600° and such compositions are most interesting to those searching for highly refractory materials.

Card 4/5

15-57-2-1732

.A Physical-Chemical Study of the Ternary System (Cont.)

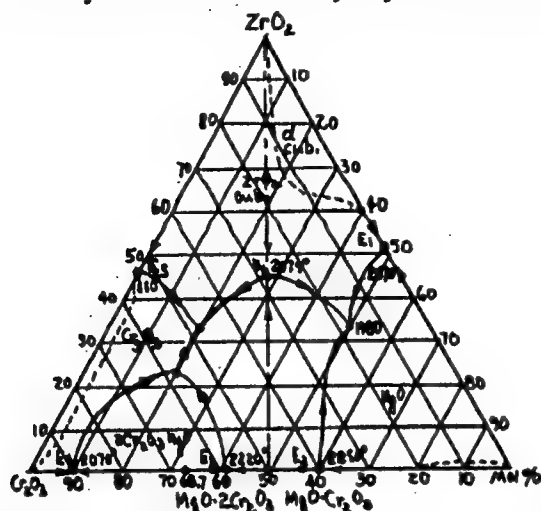


Diagram showing projection of the liquidus surface for the system $\text{MgO-Cr}_2\text{O}_3\text{-ZrO}_2$

Card 5/5

V. V. L.

S/081/61/000/019/028/085
B110/B101

AUTHORS: Epshteyn, R. Ya., Ginberg, G. P.
TITLE: Spectrophotometric determination of niobium in carbonatites
PERIODICAL: Referativnyy zhurnal. Khimiya, no. 19, 1961, 114 - 115,
abstract 19D61 (Tr. n.-i. in-ta geol. Arktiki, v. 119,
1961, 84-90)

TEXT: The determination of Nb in carbonatites having a predominant content of calcite, as well as a high P-content, requires decomposition of the sample in acetic acid. The insoluble, Nb-containing residue is dissolved and the spectrophotometric determination performed by using NH_4SCN as agent. 0.4 g of the rock is heated for 1 hr with 20 ml of 25 % acetic acid on a water bath with stirring. The insoluble residue is filtered off, and washed out with 0.5% acetic acid. Filter + residue are incinerated in a quartz crucible, and the ashes are fused with 1.25-2.5 g $\text{Na}_2\text{S}_2\text{O}_7$ or $\text{K}_2\text{S}_2\text{O}_7$. The melt is dissolved in 12.5-25 ml tartaric acid (15 %), the
Card 1/2

Spectrophotometric determination...

S/081/61/000/019/028/085
B110/B101

residue filtered off, and the filtrate is diluted with water to 25 or 50 ml. 5 ml of a 10 % solution of SnCl_2 in conc. HCl and 15 ml of a freshly prepared mixture of 23 % solution of NH_4SCN with acetone (1:2) are added to 5 ml of the resulting solution. The spectrophotometric determination follows after a period of 30 - 40 min by using a spectrophotometer (SF-4) at 405 mμ in 1 cm cells, employing the solution of a control test for purposes of comparison. The color is stable for a period of 5 hr. A calibration curve is plotted by using a standard solution of Nb-tartrate + 100 γ/ml of Nb_2O_3 . This analysis takes half the time of that with tannic acid. [Abstracter's note: Complete translation.]

Card 2/2

RUBINOVICH, R.S.; EPSHTEYN, R.Ya.; SOSHAL'SKAYA, O.N.

Spectrochemical determination of platinum, palladium, and
gold in rocks. Zhur. anal. khim. 18 no.2:216-221 F '63.
(MIRA 17-10)

1. Scientific-Research Institute of Geology of the Arctic.

EPSHTEYN, R. Yu.

Searching for pyrite deposits by means of an aerial survey with
sunlight from the side. Razved. i okh. nedr 26 no.9:50 S '60.
(MIRA 15:7)

1. Yuzhno-Ural'skoye geologicheskoye upravleniye.
(Pyrites) (Aeronautics in geology)

EPSHTEYN, S.

KORNEYCHEVA, T.; EPSHTEYN, S.

Revolving credit for industrial enterprises. Den. i kred. 15 no.1:22-
26 Ja '97. (MIRA 10:3)

(Credit)

KORNEYCHINA, T.; ~~SPSHTEIN, S.~~

Enlarge bank ties with the economy. Den. 1 kred. 16 no. 3:43-48 Mr
'58. (MIRA 11:5)

(Leningrad—Banks and banking)

EPSHTEYN, S., inzh.-mayor

Operation of diesel engines in the Antarctic Regions. Mor.
flot 21 no.12:44-45 D '61. (MIRA 14:12)
(Antarctic regions—Marine diesel engines)

EPSHTEYN, S.A.

MASLIANSKIY, G.N., inzhener; EPSHTEYN, S.A., inzhener.

Loess-like clayey soil as a filler in concrete and mortar. Stroi.prom. 31
no.6:36-37 Je '53. (MLRA 6:7)

1. YuZhnii. (Clay) (Mortar) (Concrete)

Source: see KGB file for Com. 6:7

Heat-resistant concretes made of portland cement and
 loess or loessic sandy clay used as microaggregate. S. A.
 Epshtel. *Soviet. Prom.* 11, No. 7, 89-91 (1955). - Con-
 crete made of cement and crushed firebrick and containing 60-
 100% of the weight of cement of loess has a very greatly re-
 duced temp. deformation on the first heating as compared
 with the cement itself. Its strength varies from 110 kg./
 sq. cm. for 60% to 260 kg./sq. cm. for 100% loess, decreas-
 ing on heating; the min. strength is recorded after heating
 to 1000°, ranging between 80 and 170 kg./sq. cm. Their
 coeff. of expansion is $4.3-6.6 \times 10^{-6}$, being close to that of
 firebrick. J. D. Gal

ЕПСИТЕВН САМУИЛ АРОНОВИЧ

ЕПСИТЕВН, Самуил Аронович; КАУФМАН, Б.М., ответственный ред.;
ЗВОРИКИНА, Л.Н., ред.издател'sтва; БЕККЕР, О.Г., техн.ред.

[Technology of manufacturing precast reinforced concrete]
Tekhnologiya proizvodstva sbornogo zhelezobetona. Moskva,
Ugletekhizdat, 1957. 203 p. (MIRA 10:12)
(Precast concrete)

EPSTEYN, S.

EPSTEYN, S., inzhener; KATUNIN, A., inzhener.

Using heat-resistant concrete for lining tunnel cars. Stroim. mat 3
no. 3:33 Nr '57. (MIRA 10:4)
(Concrete) (Kilns)

EPSTEIN, S.

EPSTEIN, S., insh.

How to use sawdust. Stroitel' no.12:14 D '57.
(Wood waste) (Building materials)

(MIRA 11:2)

MOROZOV, N., kand. tekhn. nauk.; EPSHTEYN, S., otv. red.

[Thin-walled brick panels] Kirpichnye tonkostennyye paneli. Moskva,
Konstruktorskoe biuro po zhelezobetonu, 1958. (MIRA 11:12)
(Building blocks)

PHASE I BOOK EXPLOITATION

1105

Solov'yev, Ivan Yevtikh'yevich and Epshteyn, Samuil Aronovich

Betonnyye raboty (Concrete Work) Kiyev, Gosstroyizdat USSR, 1958. 131 p.
18,000 copies printed.

Ed.: Danilkina, N.V.; Tech. Ed.: Zelenkova, Ye.Ye.

PURPOSE: The book is intended for engineering and technical personnel and workers engaged in concrete making. It may also be of use to students attending building schools.

COVERAGE: The authors present basic principles of concrete making for general concrete work and for the production of precast concrete and reinforced-concrete structures. A description of the properties of concrete mixes, and concrete components is given. No personalities are mentioned. There are 7 Soviet references.

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Basic Concepts Concerning Plain and Reinforced Concrete and
Their Properties

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Card 3/3

GO/aak
2-11-59

EPSHTEYN, Semuil Aronovich; POLTORATSKAYA, E., red.; NEMCHENKO, I.,
tekhn.red.

[Selecting concrete and mortar mixes] Podbor sostavov betona i
rastvora. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR.
1959. 87 p. (MIRA 13:1)
(Concrete) (Mortar)

PO NOMARENKO, M.I., inzh.; KALENICHENKO, A.G., inzh. EPSHTAYN, S.A., inzh.

Protecting reinforced concrete bin trestles of blast furnaces
from the thermal effects and wear. Prom. stroi. 38 no.8:51-55
'60. (MIRA 13:8)

1. Yuzhnyy nauchno-issledovatel'skiy institut po stroitel'stvu.
(Blast furnaces--Equipment and supplies)
(Corrosion and anticorrosives)

EELOZOVICH, Ivan Mikhaylovich, kand. tekhn. nauk; EPSHTEYN, Samuil
Aronovich, inzh.; KOPELYANSKIY, G.D., kand. tekhn. nauk, retsenzent; PERAKOVA,
Ye.P., red. izd-va; PROZOROVSKAYA, V.L., tekhn. red.;
SABITOV, A., tekhn. red.

[Materials and products for the construction of mines] Materialy
i izdeliia dlia stroitel'stva gornyykh predpriyatii; spravochnoe
posobie. Moskva, Gosgortekhnizdat, 1962. 259 p. (MIRA 16:2)
(Building materials) (Mine buildings)

EPSTEIN, S.

Precast reinforced concrete should be under a single management.
Na stroi. Ros. no. 12:22-24 D '61. (MIRA 16:1)

1. Glavnyy spetsialist Gosstroya RSFSR.
(Moscow Province—Precast concrete)

EPENTYR, S.A., inch.

Heat-resistant foamed slag concrete. Stroi. mat. 10 no.2;
33-34 Mr '64. (MIRA 17:6)

BELOZOVICH, Ivan Mikhaylovich, kand. tekhn.nauk; EPSHTEYN, Samuil
Aronovich, inzh.; KOPELYANSKIY, G.D., kand.tekhn.nauk,
retsensent; PETRAKOVA, Ye.P., red.izd-va; PROZOROVSKAYA,
V.L., tekhn. red.; SABITOV, A., tekhn. red.

[Materials and products for constructing mining enterprises;
a handbook] Materialy i izdeliia dlia stroitel'stva gornyykh
predpriyatii; spravochnoe posobie. Moskva, Gosgortekhzdat,
1962. 259 p. (MIRA 16:5)
(Mining engineering—Equipment and supplies)

100 AND 1000 SERIES										100 AND 1000 SERIES									
PROCEDURES AND PROPERTIES INDEX																			
<p><i>ca</i> <i>11h</i></p> <p>Influence of insulin on the phosphorus exchange in muscle. B. P. Koshcheyev. <i>Sov. Union. Biochem. Int.</i> 6, 107-114 (1930).—Administration of 5-20 clinical units of insulin (I) to rabbits results after 15 min. in a rise in the hexosemonophosphoric acid (II) and a fall in the creatinephosphoric acid (III) and $H_2P_2O_7$ (IV) in muscle. In pigeons, muscle II is unaltered but III and IV are decreased after administration of I. B. C. A.</p>																			
<p>430-55.4 METALLURGICAL LITERATURE CLASSIFICATION</p>																			
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11f

Influence of cations and carbohydrates on the formation of inorganic phosphoric acid during the autolysis of brain extracts. H. Oroshteyn and S. Kopylov. *Ukrain. Biokhem. Zhur.* 3, 101-12 (1932).—In autolysing extract of placenta and cat brains, "summarische" H_3PO_4 (imag. constantly diminishing salt. K^+ , Na^+ , NH_4^+ and Ca^{++} retard but Mg^{++} stimulates production of l. Acids of glucose, galactose, glycogen, dextrin and starch to the autolysing out, of cat brain retards the reaction but maltose first retards and then accelerates it. B. C. A.

Data on the vitamin C content of the organs of hibernating animals. S. N. Koshchik, *Sov. Zool. J. (Ukrain.)* 12, 543-54 (in Russian, 1965) (in English, 630) (1965). -- The reduced ascorbic acid content of the liver, spleen and adrenals of marmosets increases gradually during hibernation; to about 300%, above the values in the waking state. There is no rise in the vitamin C content of the brain.

H. Leymar

M. LEXNER

METALLURGICAL LITERATURE CLASSIFICATION

CIA-RDP86-00513R000412130

104

PROCESSING AND PREPARATION

The content of inorganic phosphorus compounds in the brains of cats. S. P. Eshstein. *Bull. biol. med. exp.* 17, S. S. R. 7, 94-7 (1936) (in German).—The contents of easily hydrolyzable H_2PO_4 phosphorus (7 min. at 100° with $NHCl$) and creatinephosphoric acid P in the brains of cats under chloral hydrate narcosis are 10.5-22.7 and 5.1-8.7 mg. %, resp. Under somnifen narcosis the values are 14.2-10.2 and 6.0-7.4 mg. %, resp., and under urethane (1) narcosis 9.6-14.5 and 3.5-5.0 mg. %, resp. Under 1 narcosis the B₂ fraction of the P compounds yielded 2.3-4.3 mg. % of amino N from the desaminase splitting of adenylic acid and 10.7-18.8 mg. % of H_2PO_4 phosphorus. The molar P/N ratio was 1.9-2.1 S. A. K.

ASB SLA DETAILING LITERATURE CLASSIFICATION

1ST AND 2ND QUARTERS		PROCESSING AND PROPERTIES INDEX		3RD AND 4TH QUARTERS	
<p>ca</p>		<p>Synthesis of phosphopyruvic acid in muscle during oxidation of citric acid. N. V. Kopylov. <i>Sov. Acad. Sci. (Ukraine)</i> 17, 130-43(1941); cf. C. A. 34, 4301. Phosphopyruvic acid is produced when muscle is incubated with 0.05 M citrate in presence and, to a greater extent, in absence of NaF. Addn. of adenosinetriphosphoric acid further increases the amt. produced. B. C. P. A.</p>		<p>111</p>	
<p>ASS. 5.5.4 METALLURGICAL LITERATURE CLASSIFICATION</p>					
<p>1940-1949</p>		<p>1950-1959</p>		<p>1960-1969</p>	
<p>1970-1979</p>		<p>1980-1989</p>		<p>1990-1999</p>	

ca

117

Oxidizing synthesis of phosphopyruvic acid in muscle tissue. D. L. Ferlinz and S. P. Koshitzky. *Brain Research*, 18, 33-42 (1969) (English summary), cf. C.A.B. 34, 4381; 34, 4561. — Adding 50 ml. of 2% NaHCO₃ in 0.5 M lactate and K₂HPO₄ to 20 g. of minced muscle tissue (pigeon) and incubating for 90 min. at 40° under aerobic conditions caused the formation of 13.40 mg. of P-enolpyruvic acid (1) with a corresponding decrease of inorg. P (42.10 mg.). I was also formed on oxidation of succinic, malic, fumaric, oxalacetic, citric, and pyruvic acids; adenosinetriphosphoric acid intensified the synthesis. NaF did not interfere; thus the probability of the formation of 1 from glycogen is excluded. This is an important link in the synthesis of glycogen. Boris Gutoff

450 314 METALLURGICAL LITERATURE CLASSIFICATION

6-7-69

CA 11-6

Aerobic elimination of ammonia in the tissues of the animal organism. S. F. Kozlov (Acad. Sci., Kiev). Uzb. Akad. Nauk. 20, 136-47 (in Russian, 147-9, (1968)).—The sources of NH_3 in the organisms are amino acids, adenylic acid and its phosphorylation products, but no significant amts. of NH_3 have been found in the tumor or blood. The tissue (0.5 g.), with NaHCO_3 (2.5 ml., 0.5%) and NiCl_2 (0.5 ml., 2.5 mg.), total vol. 3 ml., satd. w/ O_2 in a Warburg app., was incubated for 90 min., and CCl_3COOH was added; the control had no NH_4Cl . The gains of amino N against the loss of ammonia N were 192, 212, 163, 153; 120, 101; 80, 64; 62, 57; 124, 36; and 60, 40 $\mu\text{g.}$ of tissue. The addn. of adenylic acid with MgCl_2 increased the amino N from 80 to 140, 120 to 247, and 16 to 100. The formation of amino N, then, can be considered as an enzymic process. A similar process was observed in tissues of liver, brain, and nerve. The vol. of the N formed did not correspond to 2 vol. of ammonia N lost; special conditions would be required to establish a possible interrelation between amino N of the tissue, NH_3 , and the newly formed amino derivs. The elimination of NH_3 is a metabolic process, blocked in the presence of CH_3COOH , or arsenic acid. That the same process (formation of amino N) takes place also in the liver would indicate that here, too, elimination of NH_3 does not directly lead to the synthesis of urea.

B. Gutoff

EPSTEIN, S.F.

Chemical Abstracts
May 25, 1954
Biological Chemistry

(2)
Investigation of the amides of tissue proteins. S. F. Epstein (Inst. Biochem., Acad. Sci. Ukr. S.S.R., Kiev). *Ukrain. Biokhim. Zhur.* 20, 832-40 (in Russian, 340-1) (1948).—The amide N (I) of muscle, liver, brain, and heart tissue and of muscle juice from rabbits was investigated (1) after hydrolysis with $NHCl$ for 2 hrs. at 100° , where the I was split off during the 1st hr. and (2) after digestion with pepsin (II), trypsin (III), and papain (IV). The protein from liver and muscle is higher in I than the protein from brain. The digestion expts. were done with Meyerhof

muscle juice and Edsall-Murai myosin (V); the I was measured in the original juice, in the deproteinized juice after addn. of CCl_3COOH , and in such juice after addn. of tungstic acid. The muscle juice contains all the I contained in the juice protein. If the V fraction of the protein is digested with II, products are obtained which contain all the I of the V; if digested with IV, the I will be higher in the digestion products than in the undigested material. If III is used in the digestion of V, the digestion products contain much more I than the undigested material. The rates of reaction were measured of the splitting of I from V and from the various digestion products of V. Werner Jacobson

EPSTEIN, S.F.

Chemical Abstracts
Vol. 48 No. 5
Mar. 10, 1954
Biological Chemistry

Removal of ammonia injected into the animal organism.
D. I. Ferdman and S. F. Epstein (Acad. Sci. Ukr. S.S.R., Kiev). *Ukrain. Biokh. Zhur.* 22, 481-90 (1950) (in Ukrainian with Russian summary); cf. C.A. 46, 8224n.
Every 10 min. for an hr., 1-2 ml. portions of 5% NH_4Cl were injected into the ear vein of rabbits to a total of 120-200 mg. N, expressed as ammonia N. Muscle, heart, brain, liver, kidney, and lungs were minced in the cold, and 4% CCl_3COOH was added to the minced preps. to ppt. the protein. Ammonia and glutamine amide N were detd. in the protein-free ext. Ammonia and glutamine contents increase as a result of the introduction of NH_4Cl ; hence detoxication of ammonia in different organs occurs by way of glutamine formation. At 2 hrs. and 30 min. after introduction of NH_4Cl into the blood, the ammonia content approaches the normal level. The introduction of glutamic acid leads to increased glutamine concn. in the organs, but ammonia remains unchanged. Introduction of glutamic acid plus NH_4Cl leads to increased concn. of both glutamine and ammonia. It is concluded that glutamine synthesis is widespread in the animal organism and can be considered to be a universal process for removal of ammonia from tissues.
Clayton F. Holloway

~~EPSTEIN, S.F.~~

Nitrogen metabolism in experimental nephritis. Ukr.biokhim.zhur.
23 no.4:407-417 '51. (MIRA 9:9)

1. Institut biokhimii Akademii nauk URSR, Kiiv.
(NITROGEN METABOLISM) (KIDNEYS--DISEASES)
(GLUTAMIC ACID)

1. EPJNTEYN, J. F.
2. USSR (600)
4. Nentskii, Marsel' Vil'gel'movich, 1847-1901
7. Marsel' Vil'gel'movich Nents'kii (50th anniversary of his death). Ukr. biokhim. zhur. 24, No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Unclassified.

The influence of excitation of the central nervous system on the metabolism of substances in the muscles. (U.S.S.R. Acad. Sci. Bull. Div. Biol. Sci., 1964, 23, 247-251; Russian, 1964, 10, 247-251). - A quantitative estimation of processes for amino acid metabolism in skeletal muscle. The acid-base balance, lactate, and the concentration of amino acids in the blood were increased, and the concentration of amino acids in the muscle was decreased. The general intensity of metabolism was increased. Lactate and glutamate were not changed in the muscle but were increased in the blood. Acid-base balance in the blood was not changed. The results indicate that the stimulation of the central nervous system with pyridine or carbazole does not cause any apparent work for the muscles but results in some changes in the processes of metabolism. It could be expected that the excitation might reflect to a greater degree on the chemical processes of the muscles in action.

H. Gutoff

EPSHTEYN, S. F.

USSR/Medicine - Biochemistry, Ammonia Jul 53
Detoxification

"Data Concerning Participation of Muscle Proteins
in the Process of Removal of Ammonia in the
Organism of Animals," D.L. Ferdman and S.F.
Epshtein, Inst of Biochemistry, Acad Sci SSR

Ukrain Biokhim Zhur, Vol 25, No 3, pp 288-295

Introduction into the blood stream of rabbits
of ammonium chloride by injecting an amt
equivalent to 120-180 mg of nitrogen was
found to be followed by participation of

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carboxylic groups of muscle proteins in the
elimination of ammonia. On the basis of new
observations concerning amide formation at
the carboxylic groups of proteins of muscles,
it can be concluded that body tissues possess
an extensive capacity for elimination the
toxic action of ammonium ions. This is of
particular interest if consideration is given
to the fact that ammonia formation is an
important step in nitrogen metabolism. On
desamidation of the proteins, mobile glutamine
is formed.

261T61

CHAGOVETS', R.V.; YEPSEHTMYN, S.F.

Conference on the results and prospects of the study of the biochemistry of
muscle action. Ukr.biokhim.shur. 25 no.4:466-471 '53. (MLRA 6:11)
(Muscle)

EPSHTEYN, S.F.

The biochemical processes of traumatically injured muscles. S. I. L. SMITH and V. O. SMITH. *Ann. N.Y. Acad. Sci.* 1960, 107: 103-114. (Biochem. Acad. Sci. Ukr. SSR, Kiev.) (Ukrainian.)
Abstr. Zhur. 28: 517, 1961, R. 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625,

2

EPSTEYN, S.F.

EPSTEYN, S.F.

Intensity of glycine and acetate carbon incorporation in the tissue
glycogen and proteins of rats as effected by ionizing radiation
[with summary in English]. Ukr.biokhim. zhur. 29 no.3:303-313 '57.
(MLR: 10:9)

1. Institut biokhimii Akademii nauk Ukrainskoy SSR, Kiyev.
(RADIATION--PHYSIOLOGICAL EFFECT) (METABOLISM)

EPSHTEYN, S.F.

Data on the role of two-carbon chain compounds (glycolaldehyde, glycine, and acetic acid) in metabolism. Ukr.biokhim.zhur. 30 no.2:281-316 '58 (MIRA 11:6)

1. Institut biokhimi AN USSR, Kiy.
(ACETIC ACID)
(GLYCINE)
(GLYCOLALDEHYDE)
(METABOLISM)

EPSTEIN, S.F. (Leningrad)

Conference on the problem "Phosphorylation and function."

Ukr. biokhim. zhur. 30 no. 5: 794-797 '58
(PHOSPHORYLATION--CONGRESSSES)

(MIRA 11:12)

FREEDMAN, D.L.; EPSHTEYN, S.F.

Data on the dynamic state of adenosinetriphosphoric acid in muscles.
Ukr.biokhim.zhur. 31 no.6:815-825 '59. (MIRA 13:5)

1. Institute of Biochemistry of the Academy of Sciences of the
Ukrainian S.S.R., Kiev.
(ADENOSINETRIPHOSPHORIC ACID)

EPSTEIN, S.F.

Intensity of renewal of adenosinetriphosphoric acid (ATP) components in denervated muscles. Ukr.biokhim.zhur. 31 no.6:826-833 '59. (MIRA 13:5)

1. Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R., Kiev.
(ADENOSINETRIPHOSPHORIC ACID)

EPSHTEYN, S.F.; SERKOVA, R.I. [Sierkova, R.I.]; MOTYLOVA, A., studentka

Renewal of the phosphorus of phosphoproteins in functionally different muscles. Ukr. biokhim. zhur. 33 no.6:823-832 '61.

1. Institute of Biochemistry of the Academy of Sciences of the Ukrainian S.S.R., Kiev.
(PHOSFOPROTEINS) (MUSCLE)

EPSHTEYN, S.F.

Problems of biochemistry at the Sixth Congress of the Ukrainian
Physiological Society. Ukr. biokhim. zhur. 33 no.6:923-925 '61.
(MIRA 14:12)

(BIOCHEMISTRY CONGRESSES)

EPSHTEYN, S.F. [Epshtein, S.F.]; KASTRIKINA, T.F. [Kastrykina, T.F.]

Renewal of creatine in animal muscles. Ukr.biokhim.zhur. 34
no.5:727-733 '63. (MIRA 16:4)

1. Institute biokhimii AN UkrSSR, Kiyev.
(CREATINE) (MUSCLE)

EPSHTEYN, S.F.; KASTRYKINA, T.F.

Nucleic acids in functionally different muscles. Ukr. biokhim.
zhur. 36 no. 4:527-535 '64. (MIRA 18:12)

1. Institut biokhimii AN UkrSSR, Kiyev. Submitted March 31,
1964.

KASTRIKINA, T.F. [Kastrykina, T.F.]: EPSHTEYN, S.F.

Phospholipide content in the muscles. Ukr. biokhim. zhur. 37 no.3:
345-351 '65. (MIRA 18:7)

1. Institut biokhimii AN UkrSSR, Kiyev.

EPSTEYN, S. I.

2/15/79/000/04/020/020
2031/2015

AUTHOR: Kalotukhin, V.I.
TITLE: The Scientific-Technical Conference at Khar'kov
PERIODICAL: Izvestiya vysshikh uchebnykh zavodov, Aviatsionnaya tekhnika, 1959, No. 4, pp. 161-163 (USSR)
ABSTRACT: In May 1959, the 16th Conference of Professors and Teaching Staff took place. At a plenary session the following reports were read: "The XIX Congress of the Communist Party of the Soviet Union on the Further Development of the Science of Socialist Construction" by N.K. Alekseyev, Director of the Chair of Marxism-Leninism; "The Contemporary State of Rocket Technology" by S.I. Epstein, Candidate of Technical Sciences; "Efforts to Produce the First Aircraft Wholly Manufactured in China" by Decent, Candidate of Technical Sciences; "The work of the Conference continued in twelve sections. The following papers were read: Social Sciences Section. The form by Senior Instructor S.I. Epstein, "Dissemination of Trade Unions in the USSR"; "The Party of the Working People Under Socialism" by Senior Instructor V.A. Ivanov; "The Final and Complete Victory of Socialism in the USSR" by Senior Instructor V.A. Eravets; "The Problems of Socialist Construction at the XIX Congress of the Trade Unions of the USSR" by Assistant V.M. Doroshenko. The following papers were read: Foreign Languages Section. The form by Senior Instructor V.A. Kalotukhin, "The Life and Work of V.I. Lenin" by Decent, Candidate of Philological Sciences; "The Scientific Section of Foreign Language Teachers at Higher Technical Colleges" by Senior Instructor N.S. Shnezh; "Work on Translations at Higher Technical Colleges" by Assistant V.I. Kalotukhin; "On the Principles of Constructing a Handbook for Technical Texts - Educational Assistance for Illiterate Workers at Aviation Colleges" by Assistant A.M. Gurevich and L.A. Kalotukhina.

Card 1/11

Card 2/11

EPSTEIN, S.I., insh.

Nitriding high-chromium and austenitic heat-resistant steels.
Trudy IMZ no.9:181-193 '62. (MIRA 16:6)
(Steel, Heat-resistant) (Case hardening)

EPSHTEYN, S.I., insh.

Long, high-temperature effect on the properties of the nitrided layer of certain grades of steel. Trudy IMZ no.9:194-206 '62.
(MIRA 16:6)

(Metals, Effect of temperature on) (Case hardening)

EPSTEIN, S.L.

Measuring parameters of insulating materials in water and
decimeter wave range. Izv. vuz. no. 6:49-51 Je '63.
(MIRA 16:8)

(Insulating materials--Testing)

EPSHTEYN, Solomon Lazarevich; KAZARNOVSKIY, D.M., doktor tekhn. nauk, prof., retsenzent; RENNE, V.T., doktor tekhn. nauk, prof., nauchn. red.; RASKINA, T.D., red.

[Measurement of the characteristics of condensers; capacitance and tangent of the loss angle] Izmerenie kharakteristik kondensatorov; emkost' i tangens ugla poter'. Moskva, Energiia, 1965. 234 p. (MIRA 18:8)

EPSHTEIN, SH. I.

PA 16T32

USSR/Medicine - Malaria
Medicine - Epidemiology

Feb 1947

"Experience with Counteracting Malaria by Situation Analysis in World War II," Sh. I. Epshtein, Director of the Water Branch of the Institute of Malaria, Medicinal Parasitology, and Helminthology of the Academy of Medical Sciences of the USSR, 8 pp.

"Meditsinskaya Parazitologiya" Vol XVI, No 2

Technical discussion with a graph and tables of data to the effect that under pressure of wartime conditions there is an early break in the curve of movement of malarial infections, i.e., they are noticeably lowered.

16T32

EPSHTEYN, Sh.I.

Simple method of administration of male fern extract without capsules.
Pediatria, Moskva No.3:60 May-June 51.
(CML 21:4)

1. Of the Branch of the Institute of Malaria, Medical Parasitology, and
Helminthology for Water Transport (Director—Sh. I. Epshteyn).

EPSHTEYN, Sh.I.; LYCHMANOV, N.G.

Case of *Dirofilaria* infection in man. Med. paras. i paras. bol.
no.2:175-176 Ap-Je '54. (MLRA 7:8)

1. Iz filiala Instituta malyarii, meditsinskoy parazitologii i
gel'mintologii na vodnom transporte / Astrakhanskogo meditsinskogo
instituta.

(FILARIOIDEA,

**Dirofilaria repens*, infect., case report)

БПСЕНТИН, Ш.И.

Case of subcutaneous myiasis in man caused by *Gastrophilus* larva.
Med. paras. i paraz. bol. no.4:358-359 O-D '54. (MLRA 8:2)

1. Direktor filiala Instituta malyarif meditsinskoy parazitologii i
gel'mintologii na vodnom transporte.

(MYIASIS,

Gastrophilus larvae causing subcutaneous myiasis)

EPSHTEYN, Sh.I.

Epidemiologic characteristics of malaria in water transportation and methods of controlling it. Sov.med.18 no.3:44-46 Mr
'54. (MLRA 7:2)

1. Iz filiala Instituta malyarii, meditsinskoy parazitologii i
gel'mintologii na vodnom transporte. (Malarial fever)

EPShTEYN, Sh. I.

EPShTEYN, Sh. I. (Astrakhan')

Myiasis in man caused by larvae of the warble fly. Med. paraz. 1
paraz. boo. supplement to no. 1:61 '57. (MIRA 11:1)
(MYIASIS) (WARBLE FLIES)

EPSh + 28N, Sh. I.

EPSh + 28N, Sh. I.

Anamnestic data in the diagnosis and control of diphyllbothriasis
in the delta of the river Volga [with summary in English]. Med. paraz.
i paraz. bol. 26 no. 3: 297-298 My-Je '57. (MIRA 10:11)

1. Is parazitologicheskogo otdela basseynovoy sanitarno-epidemiologi-
cheskoy stantsii Nizhne-Volzhskogo vodsdravotdela (glavnyy vrach
A. I. Dobrynchenko)

(TAPEWORM INFECTIONS, prevention and control,
diphyllbothriasis in Volga delta (Rus))

EPSHTEYN, Sh.I.

~~XXXXXXXXXXXXXXXXXXXX~~ Lambliasis control in a kindergarten run by the inland water transportation trade union in Astrakhan. Med.paraz. i paraz.bol. 27 no.3:359
(MIRA 11:7)
My-Je '58

1. Iz parazitologicheskogo otdela basseynovoy sanitarno-epidemiologicheskoy stantsii Nizhne-Volzhskogo vodzdravotdela (glavnyy vrach A.I. Dobrynchenko).
(ASTRAKHAN--GIARDIASIS)

EPSHTEYN, Sh. I.; YATSENKO, K.S.

Two local cases of episthorosis in Astrakhan. Med. paraz. i paraz. bol.
27 no.4:494-495 J1-Ag '58. (MIRA 12:2)

1. Iz parazitologicheskogo otdela basseynovoy sanitarno-epidemiologicheskoy
stantsii Nizhne-Volzhskogo vodzdravotdela (zav. otdela Sh. I. Epshteyn)
i kliniki propedeviki vnutrennikh bolezney Astrakhanskogo gosudarstvennogo
meditsinskogo instituta (zav. klinikoy V.D. Iamov).

(TREMATODE INFECTIONS, case reports,
episthorosis (Rus))

EPSHTEYN, S.I.

Reason for the non-registration method at out-patient polyclinics
in the medical attendance of the population. Zdrav. Ros. Feder.
5 no.10:35-35 0 '61. (MIRA 14:10)

1. Glavnyy vrach polikliniki No. 3 Rostova-na-Donu.
(CLINICS)

GOLOVIN, G.I.; EPSHTEYN, S.L.

P.M. Golubitskii, a Russian innovator in telephony. Vest. sviazi
7 no. 10:24-3 of cover 0 '47. (MLRA 9:1)
(Golubitskii, Pavel Mikhailovich, 1845-1911)

EPSHTEYN, S. L.

Epshteyn, S. L. "Pioneers in simultaneous telephoning and telegraphing," [G. G. Ignat'yev and Ye. I. Gvozdev], Sbornik trudov Leningr. elektrotekhn. in-ta svyazi im. Bonch-Bruyevicha, Issue 4, 1949, p. 64-73

SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

EPSHTEYN, S. L.

"Russian Inventors of Microphones," Sbornik Trudov LEIS imeni Bonch-Bruyevich,
No 6, 1949.

SECRET (1) / DA (1) / P (1) / EA (1) / EEC (1) / 2 / EEC (1) / P (1) / P (1) / 4 / P (1) / G / G / G

Система автоматического контроля (методом электрических

Article describes a wide-range bridge

"APPROVED FOR RELEASE: Thursday, July 27, 2000

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Е. С. ШЕЛОВУМОВ, В. В. ШЕЛЮМОВ, С. Л. ШЕЛЮМОВ

SHELOUMOV, V.V.; SHELYUMOV, S.L.

Studying the effect of the upper limit of coarseness of industrial shale on the semicoking process in "Kiviyli" tunnel ovens. Trudy VNIIPS no.5:189-196 '56. (MLRA 10:5)
(Oil shales)

EPSTEYN, S.I.; RUBAYLOVA, S.I.

Studying the hardness of various layers of shale in the "Kivioli"
mine by means of the mutual polishing method. Trudy VNIIPS no.6:
222-226 '58. (MIRA 11:8)
(Oil shales--Testing)

AUTHORS: Aleksandrov, V.S., Epshteyn, S.L. SOV/32-24-9-46/53

TITLE: An Apparatus for Measuring the Thickness of Films
(Pribor dlya izmereniya tolshchiny plenok)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol 24, Nr 9, pp 1159-1160 (USSR)

ABSTRACT: The apparatus TTP-3 is described which is used for the continuous control of the thickness of films of organic materials of a density from 0.8 to 3 g/cm³. The measuring range covers thicknesses of films from 3 to 30 μ using the isotope C¹⁴, and from 30 to 300 μ using the isotope Tl²⁰⁴. A diagram of the apparatus is given. It consists of two units, in one of which there are the basic and compensation radiators, two ionization chambers, an electrometric cascade and a system of shuntings for the compensation source. In the other there are the supply sources: an amplifier for alternating current, a detector, a generator with a frequency of 2 kilocycles, and a buffer cascade. Ye.A. Yemel'yanov took part in assembling the apparatus. The tests of the apparatus showed that it meets all demands. It is easily to operate and it operates steadily. If the apparatus is carefully calibrated and if there is a constant thickness of the film the accuracy of this apparatus can be brought to 2-3%. The apparatus TTP-3 is at present produced in small series.

Card 1/2

KACHURIN, Ye.D., insh., red.; FISHKOV, Ya.L., insh., red.; ~~KPSHTEYN~~
~~S.M.~~, insh., red.; PETROVA, V.V., red.isd-va; OSEMKO, L.M.,
tekhn.red.

[Collection No.12-M of unified regional unit valuation sheets
for assembly work, piping and fittings] Sbornik No.12-M edinykh
raionnykh edinichnykh rastsenok na montazhnye raboty, tubo-
provody i armatura. Izd.2., ispr. po novomu masshtabu tsen,
vvedennomu s 1 ianvaria 1961 g. Moskva, Gos.isd-vo lit-ry po
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G. M. Kozlov

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